



X70/X80 Multimedia Projector

Product Safety Guide

X70/X80 Projecteur multimedia - Guide de Sécurité de Produit

X70/X80 Multimedia-Projektor - Sicherheitsanleitung des Geräts

X70/X80 Projector de Multimedia - Guía de Seguridad del Producto

X70/X80 Proiettore Multimediale - Guida di Sicurezza del Prodotto

X70/X80 Multimedia Projector - Veiligheidsgids op Product

X70/X80 Projector dos Multimedia - Guia da Segurança de Produto

X70/X80 Multimedia-Projector- Bruksanvisning för Produktsäkerhets

X70/X80 多媒体投影机 - 产品安全指南

X70/X80 멀티미디어 프로젝터 - 제품 안전 가이드

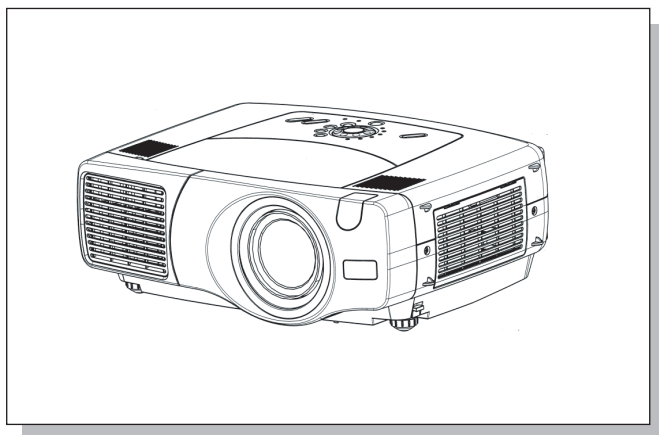


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Safety Information

Read, understand, and follow all safety information contained in the “Product Safety Guide” and in the “Operator’s Guide” prior to using the X70/X80 Multimedia Projector. Service personnel must also read and understand the safety information contained in the “Service Manual”. Retain these instructions for future reference.

Intended Use

The 3M™ Multimedia Projector X70/X80 was designed, built and tested for use indoors, using 3M™ brand lamps, 3M™ brand ceiling mount hardware and nominal local voltages. This projector is not intended for household use or use by children. The use of other replacement lamps, outdoor operation or different voltages has not been tested and could damage the projector or peripheral equipment and/or create a potentially unsafe operating condition.

Explanation of Signal Words and Symbols in Safety Labels and Instructions

WARNING:	Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.
CAUTION:	Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury.



Warning: Risk of Electric Shock



Warning: Risk from Hot Surface



Warning: Risk from Explosion



Attention: Refer to Safety Instructions in Guides

⚠ WARNING

- **To reduce the various risks associated with this product, which if not avoided could result in death or serious injury, and/or property damage:**
 - Read and understand all safety instructions found in this “Product Safety Guide” as well as those found within the “Operators Guide” and “Service Manual”.
 - Close supervision is necessary when this projector is used by or near children. Do not leave projector unattended while in use.
 - Position the projector’s power cord and data cable so that they will not be tripped over, pulled, or contact a hot surface.
- **To reduce the risk associated with hazardous voltage and/or fire, which if not avoided could result in death or serious injury:**
 - Service/repair or maintenance, except as described in this “Product Safety Guide” or the “Operator’s Guide”, must only be performed by qualified service personnel. Do not attempt to disassemble the unit yourself.
 - Switch power “OFF” and disconnect the plug from electrical outlet before attempting any cleaning, lamp replacement, or other maintenance of this unit. Grasp plug and pull to disconnect.
 - Switch power “OFF” and disconnect the plug from electrical outlet whenever the unit is not in use.
 - Do not operate projector with a damaged cord or if the projector has been dropped or damaged – until it has been examined by a qualified service technician.
 - Always plug this projector into a grounded outlet.
 - If any extension cord is necessary, a cord with a current rating at least equal to that of the projector should be used. Cords rated for less amperage than the projector may overheat.
 - Do not immerse this projector in water or other liquids.
- **To reduce the risk associated with fire and/or explosion, which if not avoided could result in death or serious injury, and/or property damage:**
 - Only qualified personnel should be allowed to perform service/repair or maintenance, except as described in this “Product Safety Guide” or the “Operator’s Guide”, must.
- **To reduce the risk associated with impact of a falling projector, which if not avoided could result in death or serious injury:**
 - Use only the 3M™ brand wall/ceiling mounting hardware kit if wall or ceiling mounting is desired.
 - Installation of the 3M™ wall/ceiling kit must only be performed by qualified personnel.
 - Adhere strictly to the proper installation procedure as outlined in the installation instructions when installing the 3M™ wall/ceiling kit.

WARNING (continued)

- **To reduce the risk associated with the hot surface temperatures produced by the projection lamp, which if not avoided may result in death or serious injury:**
 - Never touch the projection lamp or surrounding surfaces while the lamp is still hot.
 - Switch projector "OFF", remove the power cord from the electrical outlet, and allow the unit to cool for at least 45 minutes before replacing the lamp.
- **To reduce the risk associated with air or ground water contamination, which if not avoided could result in death or serious injury:**
 - The lamp in this product contains mercury. Dispose of projection lamp in a manner that is consistent with your local hazardous waste regulations for mercury.
 - For recycling and disposal information, contact your respective governmental agencies.
In U.S., contact the Electronic Industries Alliance at www.lamprecycle.org
In Canada, contact the Electronic Product Stewardship Canada at www.epsc.ca

CAUTION

- **To reduce the risk associated with laser radiation, which if not avoided may result in minor or moderate injury:**
 - Never look directly at the laser output of the remote control or point it at other people.
 - Never attempt to make any adjustments to the internal controls of the remote control other than those described in the Operator's Guide.
- **To reduce the risks associated with fire, explosion, chemical leakage, and/or poisoning, which if not avoided may result in minor or moderate injury and/or property damage:**
 - Use only the specified batteries with this remote control transmitter.
 - Never mix old and new batteries.
 - Use care to orient the plus (+) and minus (-) terminals of the batteries according to the markings found on the remote control.
 - Use and handle batteries in a manner that avoids damaging them.
 - Keep batteries away from children and pets.
 - Remove the batteries from the remote control when not to be used for an extended period.
- **To reduce the risk associated with air or ground water contamination, which if not avoided may result in minor or moderate injury:**
 - Dispose of batteries in a manner that is consistent with your local hazardous waste regulations.
- **To reduce the various risks associated with this product, which if not avoided may result in minor or moderate injury and/or property damage:**
 - Do not expose this projector to direct sunlight, or use it outdoors.
 - Always operate the unit on a flat, sturdy, and horizontal surface.
 - Never operate the unit in a vertical orientation such that the lens points up or down.
 - Do not insert liquids or foreign object. To avoid penetration of foreign objects, do not put the projector into a case or bag together with anything except the accessories of projector, signal cables and connectors.

⚠ CAUTION (continued)

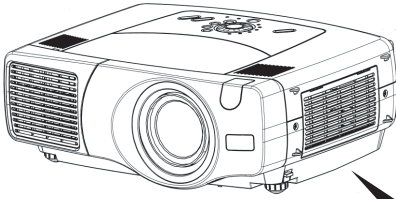
- **To reduce the risk associated with sharp edges or broken glass inside the lamp compartment, which if not avoided may result in minor or moderate injury:**
 - Use care when inserting hand into the lamp compartment when replacing lamp.
 - Use care when removing lamp glass that has failed and shattered into sharp pieces.
- **To reduce the risk associated with strong light produced by the high-intensity projection lamp, which if not avoided could result in minor or moderate injury:**
 - Avoid looking directly into the projector lens while the lamp is on.

IMPORTANT NOTES

1. Always open the lens shutter or remove lens cap when the projection lamp is on.
2. To avoid premature lamp failure, do not change the mounting position of the projector (desktop ceiling mount or ceiling desktop mount) and continue to use the same lamp.
3. To avoid reduced lamp life, do not touch projection lamp with bare fingers.
4. To avoid reduced image quality, do not touch projection lens or other internal optical components.
5. Do not use detergents, chemicals, or any spray liquids for cleaning this unit, other than those referred to in the "Operators Guide".
6. For maximum lamp life, do not strike or drop, improperly handle, or scratch the lamp glass. Also, do not install an old or used lamp.
7. Keep air filter clean. Refer to the cleaning instructions contained in the "Operator's Guide".
8. Keep all ventilation openings free of any obstructions.
9. In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a bandwidth of 90 to 132 volts / 198 to 264 volts (50 to 60 Hz) ± 10 volts, but could fail if power drops or surges of ± 10 volts occur. In these high-risk areas, it is recommended to install a power stabilizer unit.

Product Safety Labels

ENGLISH



HIGH TEMPERATURE / HAUTE TEMPERATURE / HOCHTEMPERATUR /
ALTA TEMPERATURA / ALTA TEMPERATURA

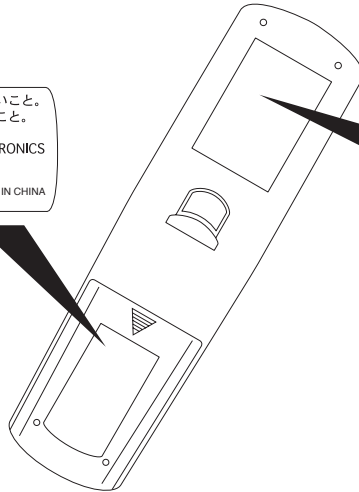
- When replacing lamp, turn off and unplug unit, wait 45 minutes to let lamp cool.
- High-pressure lamp when hot, may explode if improperly handled.
- Pour changer la lampe, éteindre et débrancher la machine. Attendre 45 minutes de manière à laissez refroidir la lampe. La lampe haute pression risque d'exploser si elle est manipulée sans précaution lorsqu'elle est encore chaude.
- Vor Austausch der Lampe, das Gerät abschalten und den Stecker herausziehen; 45 Minuten warten, um die Lampe abkühlen zu lassen. Falls die heiße Hochdrucklampe falsch gehandelt wird, kann sie explodieren.
- Prima di sostituire la lampadina, spegnere il proiettore, scollegare la presa di alimentazione ed attendere 45 minuti circa che la lampadina si raffreddi. Se calda, essa è sottoposta ad alta pressione interna e può esplodere.
- Cuando tenga que reemplazar la lámpara, desconecte la alimentación y desenchufe la unidad, y espere 45 minutos para dejar que se enfríe la lámpara. La lámpara, que está a alta presión cuando está caliente, puede explotar si se manipula indebidamente.

レーザー光をのぞき込まないこと。
レーザー光を人に向けてないこと。
子供に使わせないこと。
製造者：INTERLINK ELECTRONICS

P
S
C

JQA

MADE IN CHINA



Remote control for X70

AVOID EXPOSURE LASER RADIATION IS EMITTED FROM THIS APERTURE

CAUTION

LASER RADIATION
DO NOT STARE INTO BEAM

WAVE LENGTH 640-660nm
MAX OUTPUT: 10mW
CLASS 2 LASER PRODUCT

Complies with 21 CFR, 1040.10 AND 1040.11
IEC60825-11989+A1:1997+A2:2001

LASER STRAHLUNG
NICHT IN DEN STRAHLEN BLICKEN
LASER KLASSE 2
WAVE LENGTH 640-660nm MAX OUTPUT 10mW

レーザー光
レーザー光を覗き込まないこと
レーザー光を人に向けてないこと
子どもに使用させないこと
D 9.2 レーザー製品 規格 規格 JIS C 8802 (1998)
最大出力: 10mW 波長: 640-660nm

MODEL H-IR04B
MANUFACTURER: INTERLINK K.K.

JANUARY 2003

1-107-7 HIGASHIRAKANDA CHUO-KU TOKYO, JAPAN
101-0001

MADE IN CHINA

Remote control for X80

AVOID EXPOSURE LASER RADIATION IS EMITTED FROM THIS APERTURE

CAUTION

LASER RADIATION
DO NOT STARE INTO BEAM

WAVE LENGTH 640-660nm
MAX OUTPUT: 10mW
CLASS 2 LASER PRODUCT

Complies with 21 CFR, 1040.10 AND 1040.11
IEC60825-11989+A1:1997+A2:2001

LASER STRAHLUNG
NICHT IN DEN STRAHLEN BLICKEN
LASER KLASSE 2
WAVE LENGTH 640-660nm MAX OUTPUT 10mW

レーザー光
レーザー光を覗き込まないこと
レーザー光を人に向けてないこと
子どもに使用させないこと
D 9.2 レーザー製品 規格 規格 JIS C 8802 (1998)
最大出力: 10mW 波長: 640-660nm

MODEL H-IR04C
MANUFACTURER: INTERLINK K.K.

JANUARY 2003

1-107-7 HIGASHIRAKANDA CHUO-KU TOKYO, JAPAN
101-0001

MADE IN CHINA

Lamp

Lamp Operation:

The following symptoms may indicate a lamp in need of replacement:




- LAMP indicator lights up red.
- “CHANGE THE LAMP” message appears on the screen.

WARNING

- **To reduce the risk associated with air or ground water contamination, which if not avoided could result in death or serious injury:**
 - The lamp in this product contains mercury. Dispose of projection lamp in a manner that is consistent with your local hazardous waste regulations for mercury.
 - For recycling and disposal information, contact your respective governmental agencies.
In U.S., contact the Electronic Industries Alliance at www.lamprecycle.org
In Canada, contact the Electronic Product Stewardship Canada at www.epsc.ca

Display Lamp Operation Hours





To determine the lamp operation hours, follow these steps:

1. While the projector is running, press the MENU button on the remote control. Choose the “OPTION” using the  button, and press the  button or the ENTER button. Choose the “LAMP TIME” using the  button.
2. The operating time of the lamp will be displayed. The message “CHANGE THE LAMP, AFTER REPLACING LAMP RESET THE LAMP TIMER” will appear after the lamp operating hours have reached the end of the normal lamp life. The message “POWER WILL TURN OFF AFTER 20 HOURS” will appear when 20 or less lamp hours remain. The number of hours left until shut down will decrease until 0 hour is reached, then power will be turned off.

√ Note

After normal lamp operating time has expired, the projector will only run for 10-minute intervals when restarted until the lamp is replaced and the lamp timer is reset. The message “CHANGE THE LAMP” will blink at projector start up to remind you to change the lamp.

Reset Lamp Hours

1. While the projector is running, press the MENU button on the remote control. Choose the “OPTION” using the  button, and press the  button or the ENTER button.
2. Choose the “LAMP TIME” using the  button, and press and hold the RESET button on the remote control for 3 seconds.
3. The reset menu will then appear. After you replace the lamp with a new lamp, select “RESET” on the menu with the  button.

Replacing Lamp

WARNING

- **To reduce the risk associated with hazardous voltage, which if not avoided could result in death or serious injury:**
 - Switch power “OFF” and disconnect the plug from electrical outlet before attempting any cleaning, lamp replacement, or other maintenance of this unit. Grasp plug and pull to disconnect.
- **To reduce the risk associated with the hot surface temperatures produced by the projection lamp, which if not avoided may result in death or serious injury:**
 - Never touch the projection lamp or surrounding surfaces while the lamp is still hot.
 - Switch unit “OFF”, remove the power cord from the electrical outlet, and allow the unit to cool for at least 45 minutes before replacing the lamp.
- **To reduce the risk associated with explosion associated with a pressurized lamp when hot, which if not avoided could result in death or serious injury:**
 - Do not improperly handle, scratch, strike, or drop the lamp at any time.

CAUTION

- **To reduce the risk associated with the sharp metal fittings or broken glass inside the lamp compartment, which if not avoided may result in minor or moderate injury:**
 - Do not insert hand into the lamp compartment when the lamp has been removed.
 - Use extreme care when removing lamp glass that has failed and shattered into sharp pieces.

√ **Note**

For maximum lamp life, do not strike or drop, improperly handle, or scratch the lamp glass. Also, do not install an old or previously used lamp.

1. **Remove lamp access door:** After making sure that the projector has cooled adequately, slide the knob (1) of a lamp door lock as shown in the figure. Then, one side of the lamp door(2) is raised. Pull up the lamp door and remove it, as shown in the figure.
2. **Retaining screws:** Use a screwdriver to unscrew the lamp module retaining screws. (3)

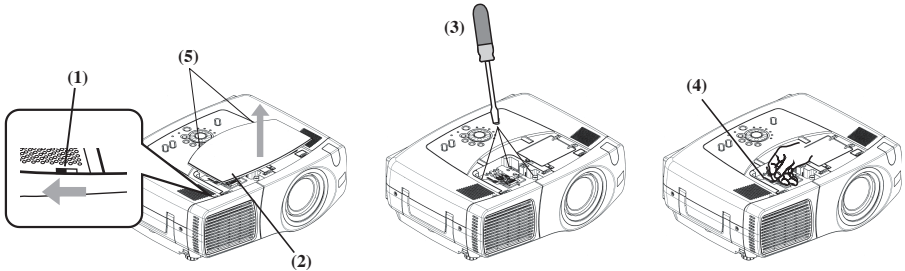
√ **Note**

All lamp module screws must be loosened. These screws are self-containing screws that cannot be removed from the lamp module or access door.

3. **Remove lamp module:** Carefully slide the lamp module out **(4)** using steady pressure.
4. **Insert lamp module:** Carefully insert **(4)** the new lamp module. Ensure that it is fully seated. Tighten the lamp module retaining screws **(3)** to secure the lamp module in place.
 X70 : Optional Lamp: 78-6969-9718-4
 X80 : Optional Lamp: 78-6969-9719-2 (Contact 3M customer Service.)
 Interlocking the 2 tabs **(5)** of the lamp door to the projector, put the lamp door on the projector. Then push the point of the lamp door to fix it, as shown in the figure. Make sure that the lamp cover doesn't come up.

✓ **Note**

Reset the lamp operation hours. See “Reset Lamp Hours” for details.



Warranty

LIMITED WARRANTY

3M warrants this product against any defects in material and workmanship, under normal usage and storage, for a period of three years from date of purchase. Proof of purchase date will be required with any warranty claim. In the event this product is found to be defective within the warranty period, 3M's only obligation and your exclusive remedy shall be replacement of any defective parts (labor included).

To obtain warranty service, immediately notify the dealer from which you purchased the product of any defects. In the USA call 1-800-328-1371 for warranty or repair service.

LIMITATION OF LIABILITY

THE FOREGOING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND 3M SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS. 3M SHALL NOT BE LIABLE FOR ANY DAMAGES, DIRECT, CONSEQUENTIAL, OR INCIDENTAL, ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT.

Important: The above warranty shall be void if the customer fails to operate product in accordance with 3M's written instructions. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

FCC STATEMENT - CLASS B: This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual may cause interference to radio communications. It has been tested and found to comply with the limits for a Class "B" computing device pursuant to Subpart B of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

INSTRUCTIONS TO USERS: This equipment complies with the requirements of FCC equipment provided that the following conditions are met. The cables may have to be used with the core set to the projector side. Use the cables which are included with the projector or specified.

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

EEC STATEMENT: This machine was tested against the 89/336/EEC (European Economic Community) for EMC (Electro Magnetic Compatibility) and fulfills these requirements.

Video Signal Cables: Double shielded coaxial cables (FCC shield cable) must be used and the outer shield must be connected to the ground. If normal coaxial cables are used, the cable must be enclosed in metal pipes or in a similar way to reduce the interference noise radiation.

Video Inputs: The input signal amplitude must not exceed the specified level.

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Intended Use

Before operating this machine, please read this entire manual thoroughly. The 3MTM Multimedia Projectors are designed, built, and tested for use indoors, using 3M lamps, 3M ceiling mount hardware, and nominal local voltages.

The use of other replacement lamps, outdoor operation, or different voltages has not been tested and could damage the projector peripheral equipment and/or create a potentially unsafe operating condition.

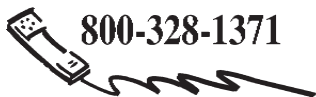
3M Multimedia projectors and Wall Display Systems are designed to operate in a normal office environment.

- 16° to 29°C (60° to 85° F)
- 10- 80 %RH (without condensation)
- 0- 1828 m (0-6000 feet) above sea level

The ambient operating environment should be free of airborne smoke, grease, oil and other contaminants that can affect the operation or performance of the projector.

Use of this product in adverse conditions will void the product warranty.

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Litho in Japan
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